



## PATENT ABSTRACTS OF JAPAN

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YOSHIIKE NOBUYUKI**(54) **AIR PURIFIER AND AIR CONDITIONING DEVICE** COPYRIGHT: (C)2000,JPO

(57) Abstract

**PROBLEM TO BE SOLVED:** To provide an air purifier capable of effectively, safely and regularly utilizing secondarily generated ozone.

**SOLUTION:** This air purifier is provided with an air fan 3 provided in an air passage 2, a dust collecting filter 1 provided at the suction side of the air fan 3, an electric discharge element 4 provided in the exhaust side of the duct collector 1, a dust collecting part 5 for electrically collecting dust or the like charged by the discharge element 4, an ultraviolet lamp 6 carrying a photodecomposition catalyst for decomposing ozone generated from the discharge element 4 and malodorous components in air and an ozone sensor 7 and a control circuit 8 for controlling the concentration of ozone passed through the ultraviolet lamp 6.

